

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111323\
 Data File : VN080073.D
 Acq On : 13 Nov 2023 17:53
 Operator : JC\MD
 Sample : PB157075ZHE#14
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PB157075ZHE#14

Quant Time: Nov 14 19:25:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N110123W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 02 05:49:08 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

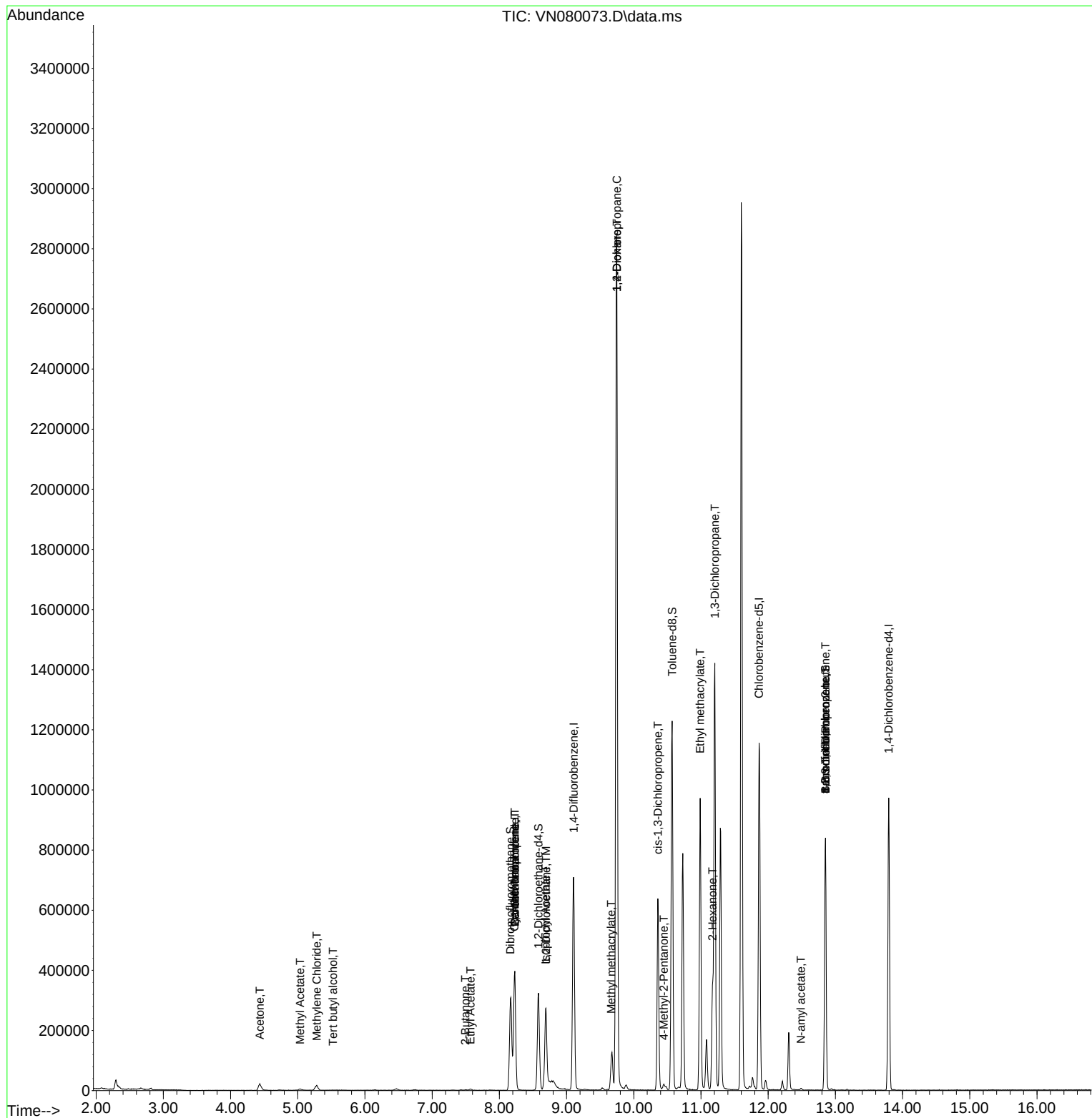
Internal Standards						
1) Pentafluorobenzene	8.229	168	277246	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	604044	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	675777	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	255072	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	264184	62.545	ug/l	0.00
Spiked Amount 50.000	Range	74 - 125	Recovery	=	125.080%#	
35) Dibromofluoromethane	8.165	113	226747	53.038	ug/l	0.00
Spiked Amount 50.000	Range	75 - 124	Recovery	=	106.080%	
50) Toluene-d8	10.571	98	847609	53.856	ug/l	0.00
Spiked Amount 50.000	Range	86 - 113	Recovery	=	107.720%	
62) 4-Bromofluorobenzene	12.853	95	295875	56.685	ug/l	0.00
Spiked Amount 50.000	Range	83 - 123	Recovery	=	113.360%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.365	50	1004	Below Cal		93
11) Tert butyl alcohol	5.524	59	179	0.332	ug/l #	72
16) Acetone	4.436	43	41307	27.841	ug/l	97
18) Methyl Acetate	5.036	43	9369	1.320	ug/l #	82
20) Methylene Chloride	5.283	84	12666	3.383	ug/l #	82
25) 2-Butanone	7.494	43	3622	1.667	ug/l #	76
31) Cyclohexane	8.224	56	6492	1.163	ug/l #	25
36) 1,1-Dichloropropene	8.229	75	24151	3.956	ug/l #	47
37) Ethyl Acetate	7.571	43	5239	0.936	ug/l #	89
38) Carbon Tetrachloride	8.229	117	29583	4.809	ug/l #	16
42) 1,2-Dichloroethane	8.694	62	2075	0.325	ug/l #	73
43) Isopropyl Acetate	8.688	43	322854	32.885	ug/l #	78
45) 1,2-Dichloropropane	9.747	63	4023	0.861	ug/l #	45
48) Methyl methacrylate	9.665	41	8166	1.899	ug/l #	29
49) 1,4-Dioxane	9.747	88	455	5.988	ug/l #	1
51) 4-Methyl-2-Pentanone	10.447	43	21720	3.930	ug/l #	63
54) cis-1,3-Dichloropropene	10.359	75	108867	14.974	ug/l #	69
56) Ethyl methacrylate	10.988	69	5489	0.883	ug/l #	1
57) 1,3-Dichloropropane	11.206	76	15086	1.963	ug/l #	42
59) 2-Hexanone	11.170	43	264738	62.610	ug/l #	19
71) Bromoform	12.853	173	1920	0.512	ug/l #	1
74) N-amyl acetate	12.488	43	1892	0.224	ug/l #	40
76) 1,2,3-Trichloropropane	12.853	75	156254	26.093	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.853	75	156254	70.993	ug/l #	15

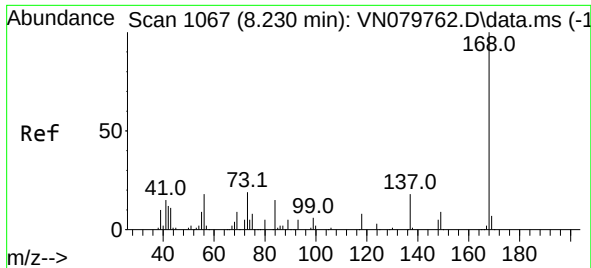
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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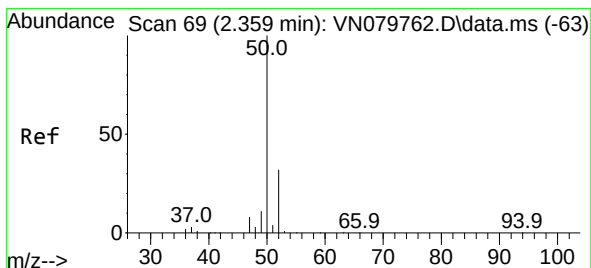
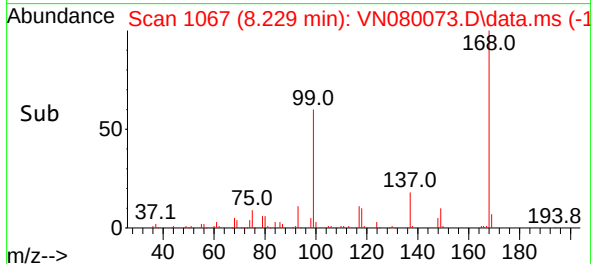
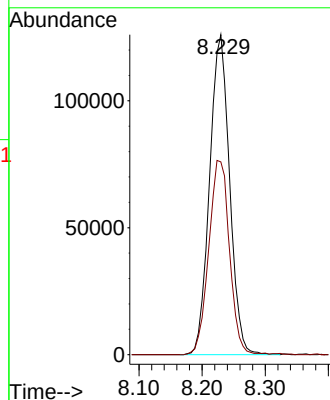
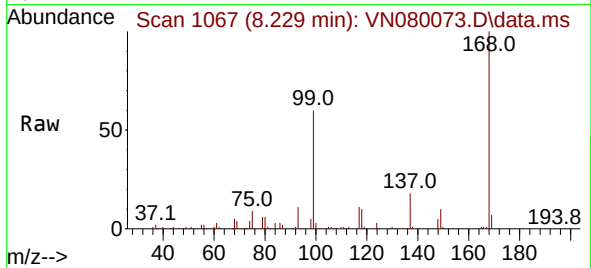




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 10
Delta R.T. 0.001 min
Lab File: VN080073.D
Acq: 13 Nov 2023 17:53

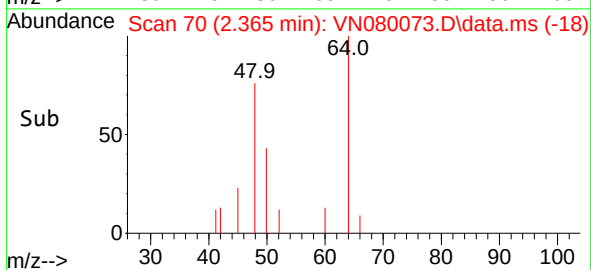
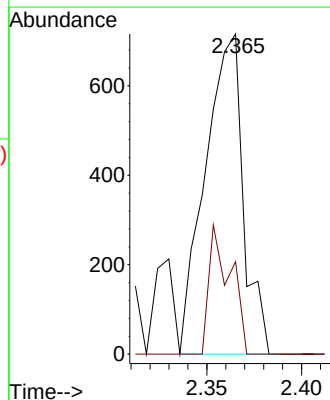
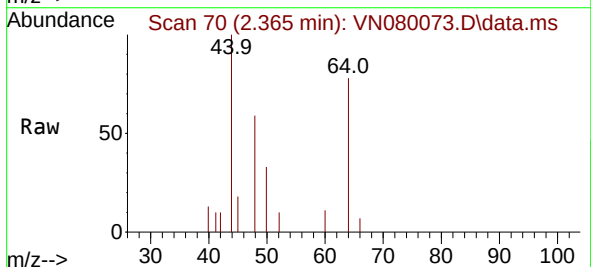
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#14

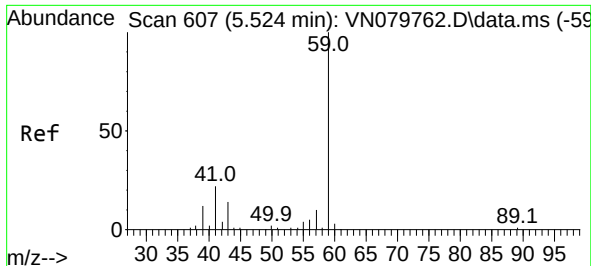
Tgt Ion:168 Resp: 277246
Ion Ratio Lower Upper
168 100
99 60.2 53.0 79.6



#3
Chloromethane
Concen: Below Cal
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN080073.D
Acq: 13 Nov 2023 17:53

Tgt Ion: 50 Resp: 1004
Ion Ratio Lower Upper
50 100
52 28.9 26.5 39.7

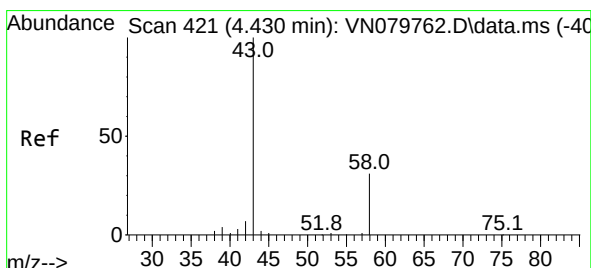
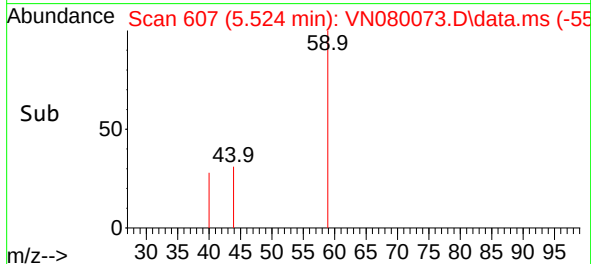
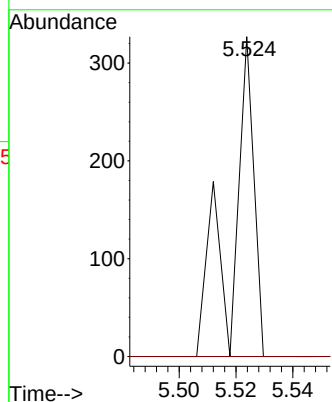
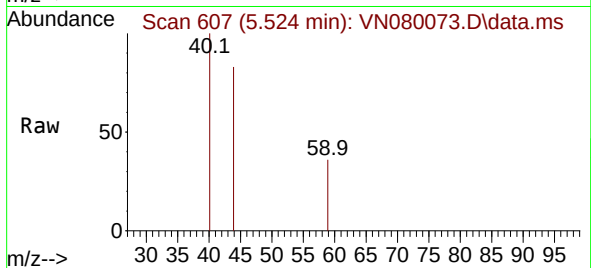




#11
Tert butyl alcohol
Concen: 0.332 ug/l
RT: 5.524 min Scan# 607
Delta R.T. 0.006 min
Lab File: VN080073.D
Acq: 13 Nov 2023 17:53

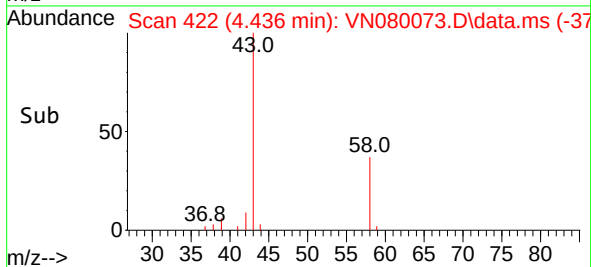
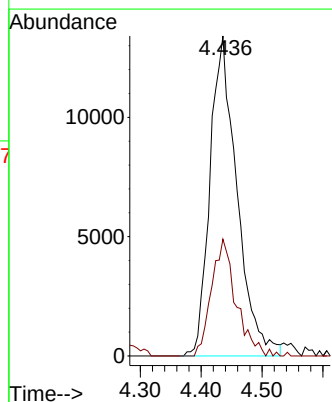
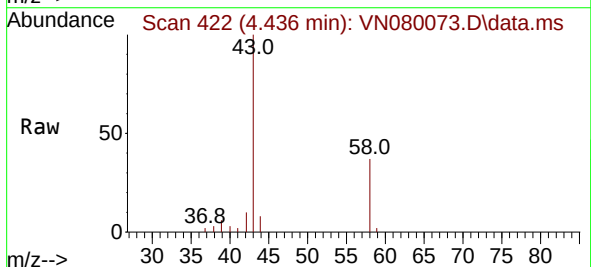
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#14

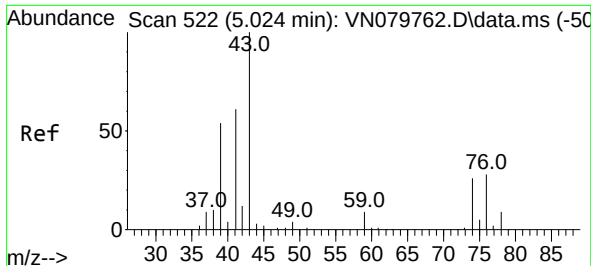
Tgt Ion: 59 Resp: 179
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#16
Acetone
Concen: 27.841 ug/l
RT: 4.436 min Scan# 422
Delta R.T. 0.006 min
Lab File: VN080073.D
Acq: 13 Nov 2023 17:53

Tgt Ion: 43 Resp: 41307
Ion Ratio Lower Upper
43 100
58 36.5 28.0 42.0

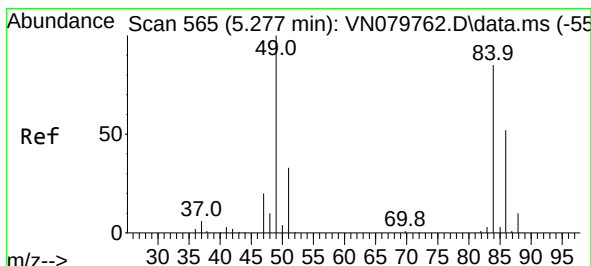
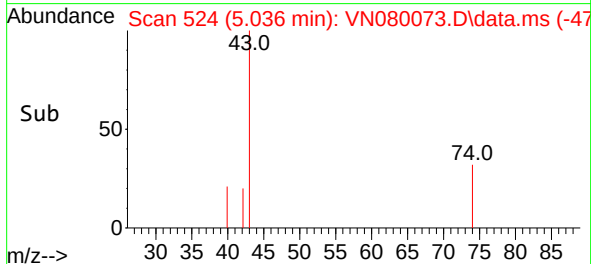
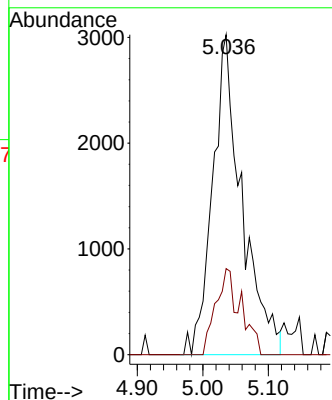
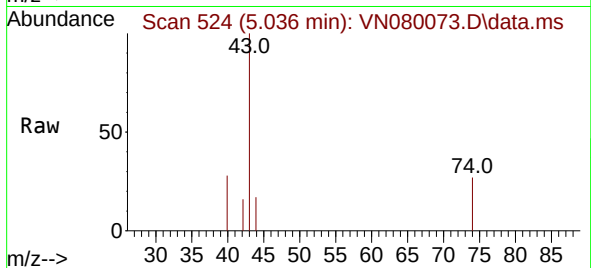




#18
Methyl Acetate
Concen: 1.320 ug/l
RT: 5.036 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN080073.D
Acq: 13 Nov 2023 17:53

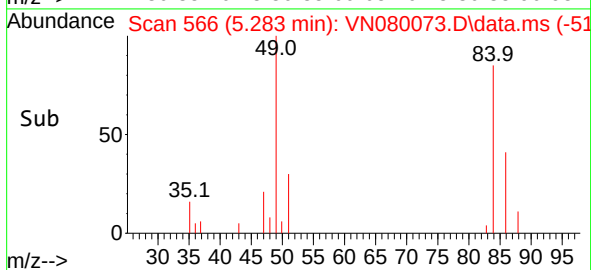
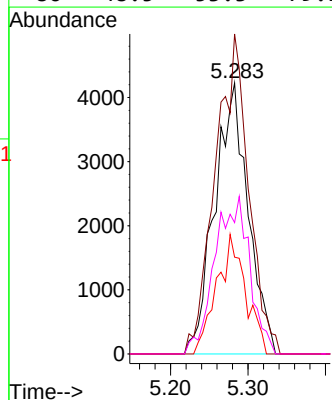
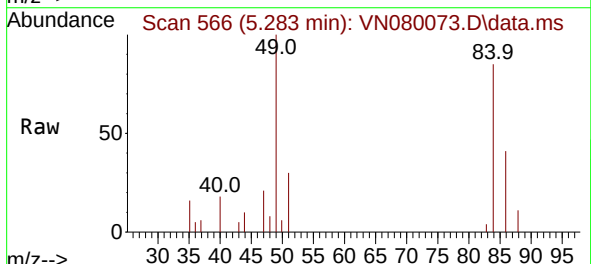
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#14

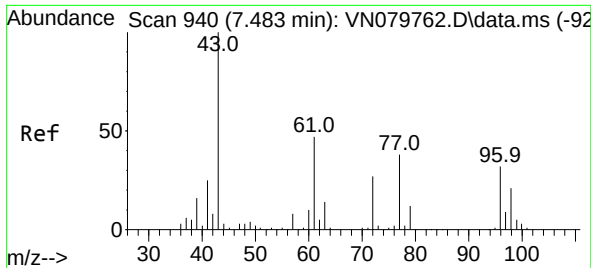
Tgt Ion: 43 Resp: 9369
Ion Ratio Lower Upper
43 100
74 22.8 26.2 39.4#



#20
Methylene Chloride
Concen: 3.383 ug/l
RT: 5.283 min Scan# 566
Delta R.T. 0.012 min
Lab File: VN080073.D
Acq: 13 Nov 2023 17:53

Tgt Ion: 84 Resp: 12666
Ion Ratio Lower Upper
84 100
49 118.1 79.7 119.5
51 35.7 25.2 37.8
86 48.5 53.3 79.9#

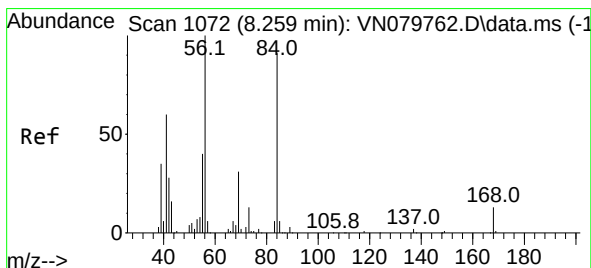
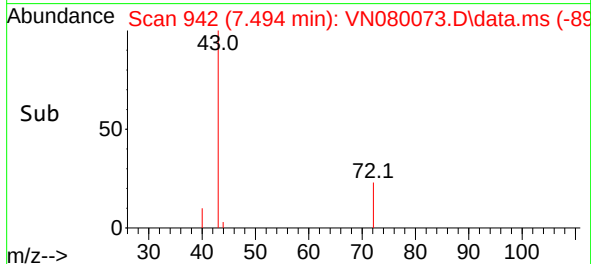
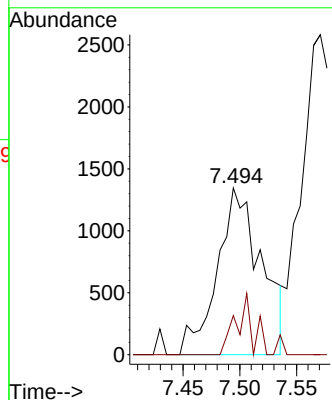
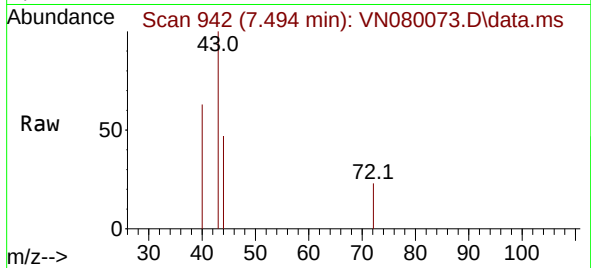




#25
2-Butanone
Concen: 1.667 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN080073.D
Acq: 13 Nov 2023 17:53

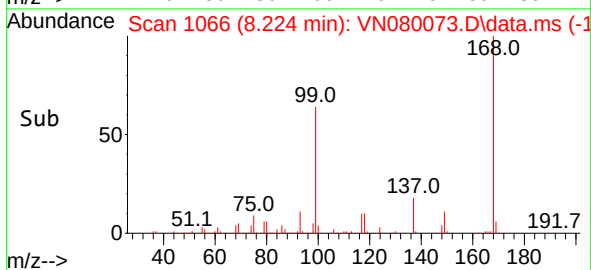
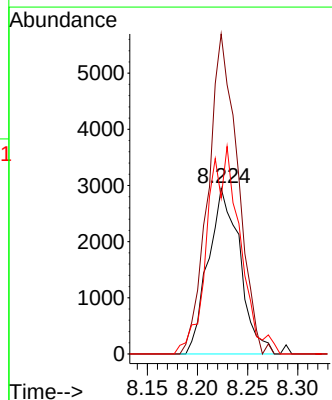
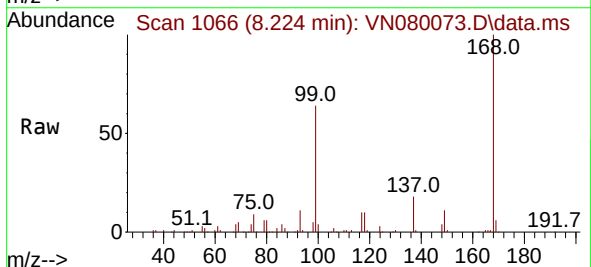
Instrument :
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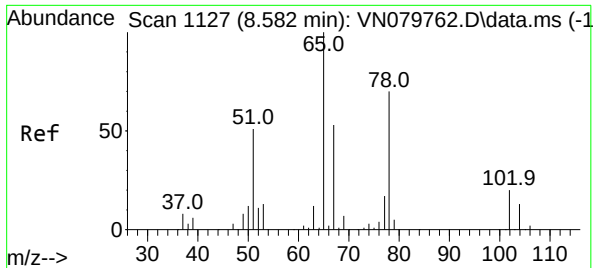
Tgt Ion: 43 Resp: 3622
Ion Ratio Lower Upper
43 100
72 23.4 30.2 45.2#



#31
Cyclohexane
Concen: 1.163 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.035 min
Lab File: VN080073.D
Acq: 13 Nov 2023 17:53

Tgt Ion: 56 Resp: 6492
Ion Ratio Lower Upper
56 100
69 193.1 26.8 40.2#
84 94.0 81.8 122.6

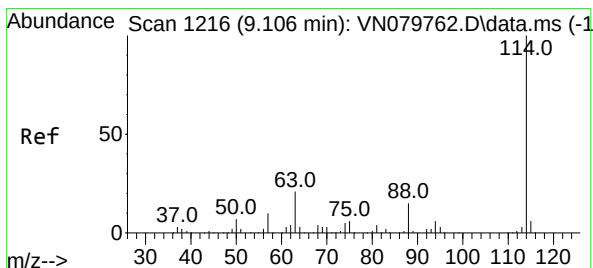
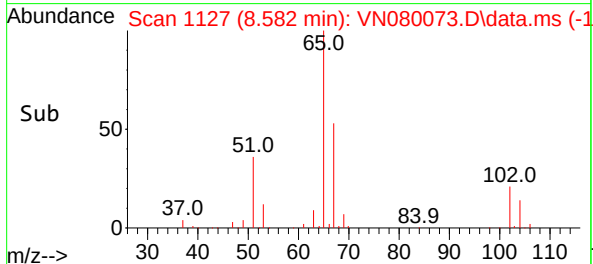
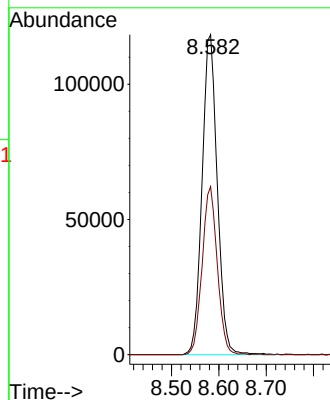
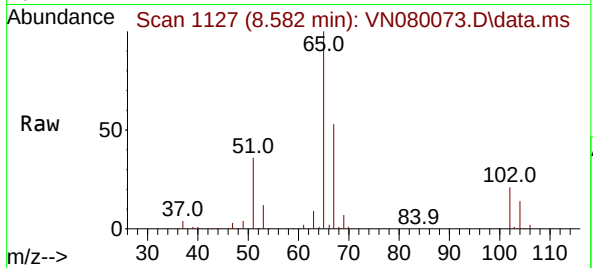




#33
 1,2-Dichloroethane-d4
 Concen: 62.545 ug/l
 RT: 8.582 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VN080073.D
 Acq: 13 Nov 2023 17:53

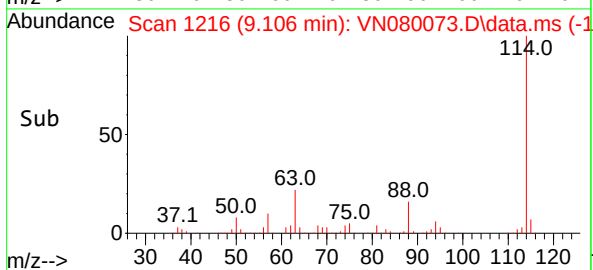
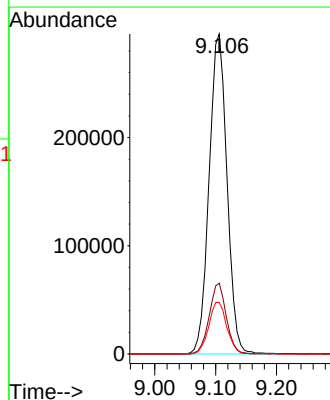
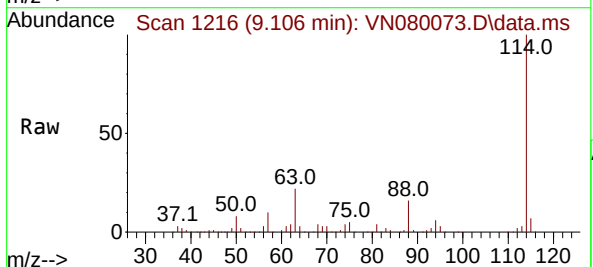
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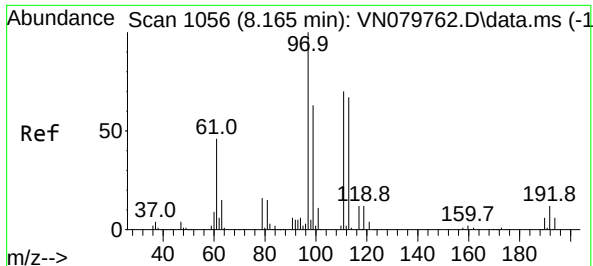
Tgt Ion: 65 Resp: 264184
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN080073.D
 Acq: 13 Nov 2023 17:53

Tgt Ion: 114 Resp: 604044
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 36.4
 88 16.1 0.0 30.6





#35

Dibromofluoromethane

Concen: 53.038 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. -0.006 min

Lab File: VN080073.D

Acq: 13 Nov 2023 17:53

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#14

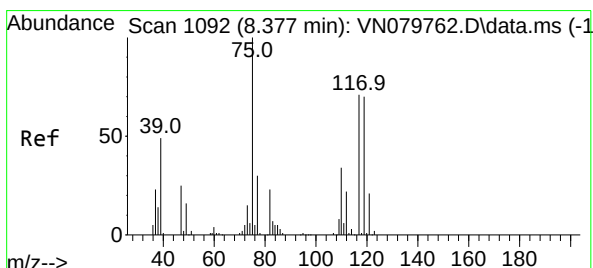
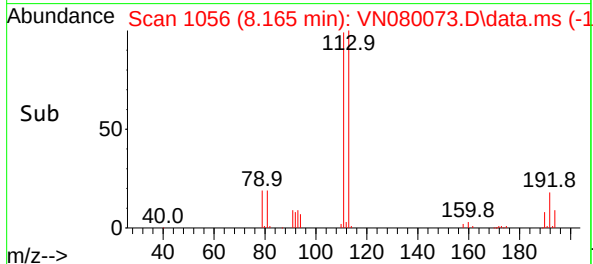
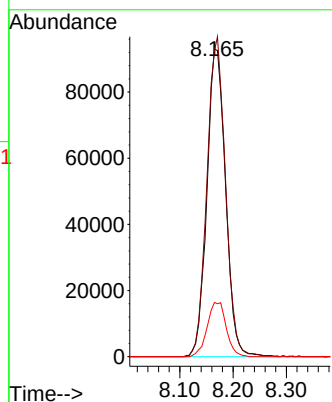
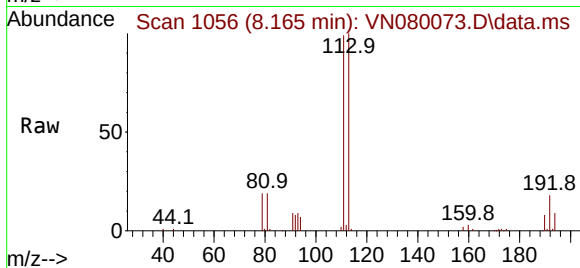
Tgt Ion:113 Resp: 226747

Ion Ratio Lower Upper

113 100

111 103.4 82.6 123.8

192 18.0 12.7 19.1



#36

1,1-Dichloropropene

Concen: 3.956 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN080073.D

Acq: 13 Nov 2023 17:53

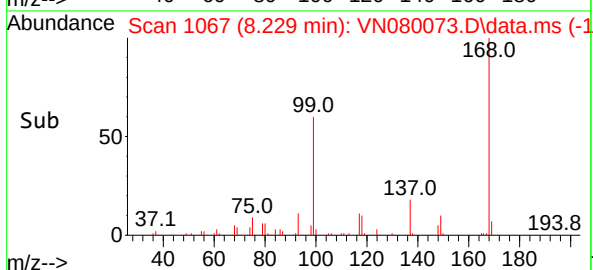
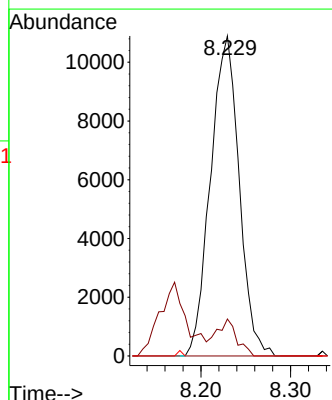
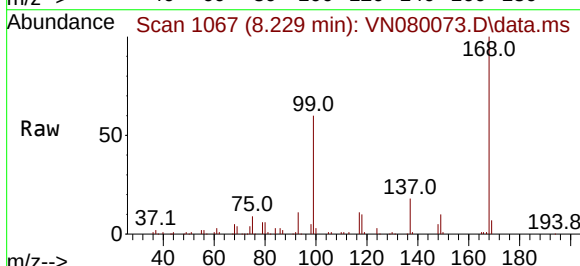
Tgt Ion: 75 Resp: 24151

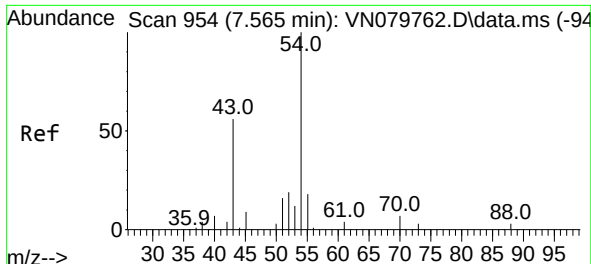
Ion Ratio Lower Upper

75 100

110 8.3 19.1 57.3#

77 0.0 25.0 37.4#

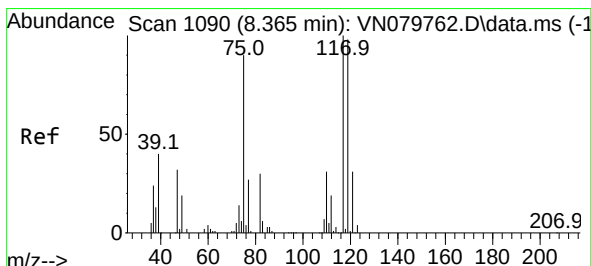
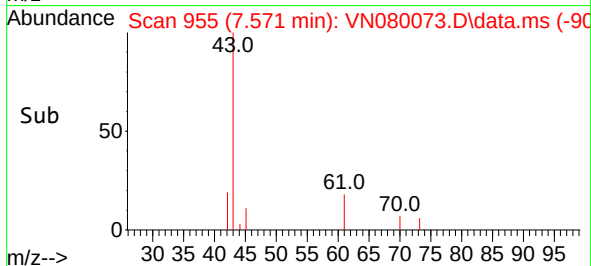
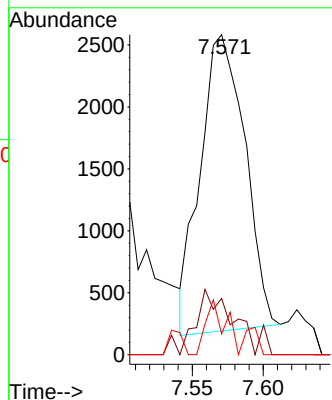
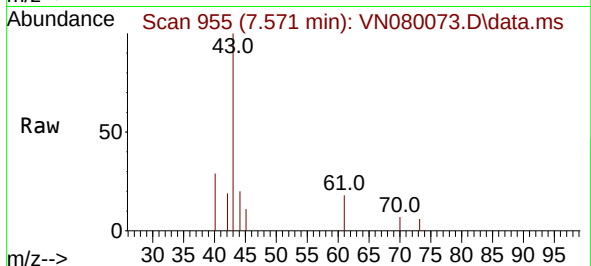




#37
Ethyl Acetate
Concen: 0.936 ug/l
RT: 7.571 min Scan# 91
Delta R.T. 0.006 min
Lab File: VN080073.D
Acq: 13 Nov 2023 17:53

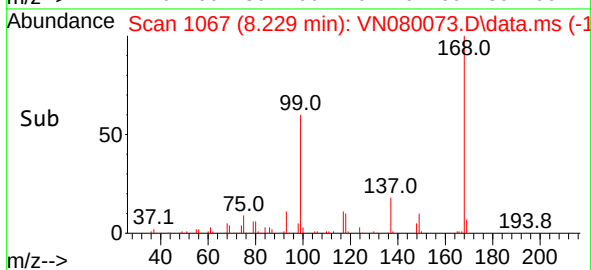
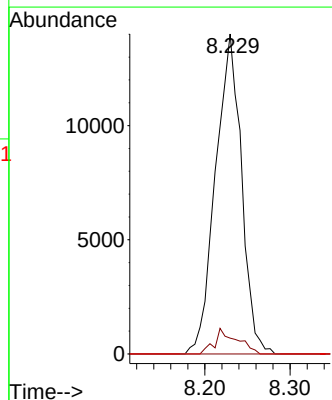
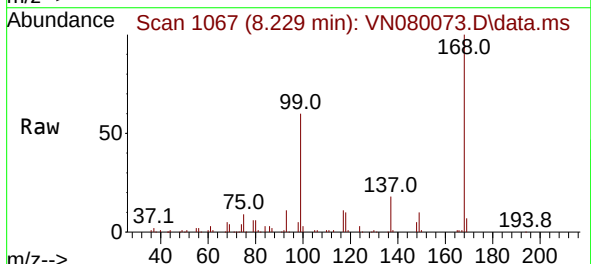
Instrument :
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PB157075ZHE#14

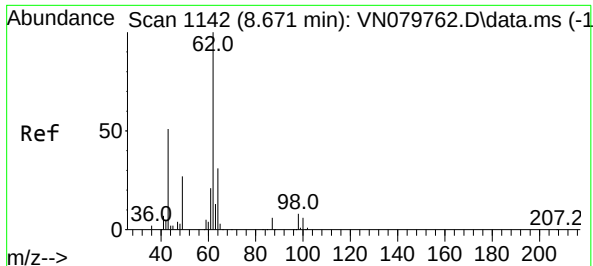
Tgt Ion: 43 Resp: 5239
Ion Ratio Lower Upper
43 100
61 20.0 13.2 19.8#
70 8.1 11.3 16.9#



#38
Carbon Tetrachloride
Concen: 4.809 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.129 min
Lab File: VN080073.D
Acq: 13 Nov 2023 17:53

Tgt Ion: 117 Resp: 29583
Ion Ratio Lower Upper
117 100
119 4.9 77.3 115.9#
121 0.0 23.3 34.9#





#42

1,2-Dichloroethane

Concen: 0.325 ug/l

RT: 8.694 min Scan# 1146

Delta R.T. 0.024 min

Lab File: VN080073.D

Acq: 13 Nov 2023 17:53

Instrument :

MSVOA_N

ClientSampleId :

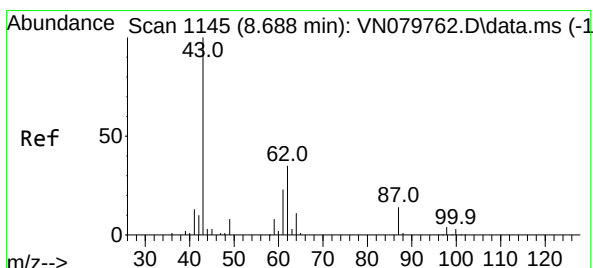
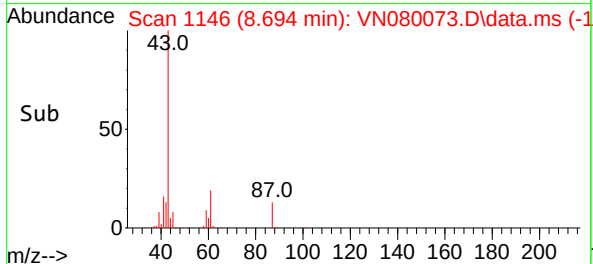
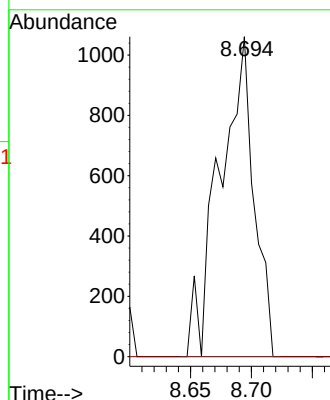
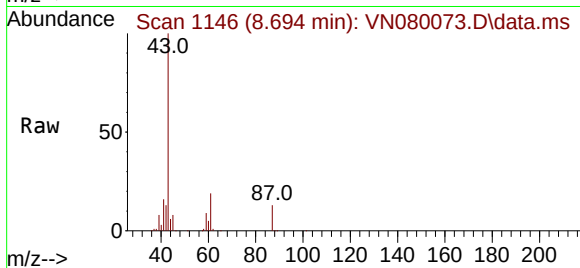
PB157075ZHE#14

Tgt Ion: 62 Resp: 2075

Ion Ratio Lower Upper

62 100

98 0.0 0.0 19.8



#43

Isopropyl Acetate

Concen: 32.885 ug/l

RT: 8.688 min Scan# 1145

Delta R.T. 0.000 min

Lab File: VN080073.D

Acq: 13 Nov 2023 17:53

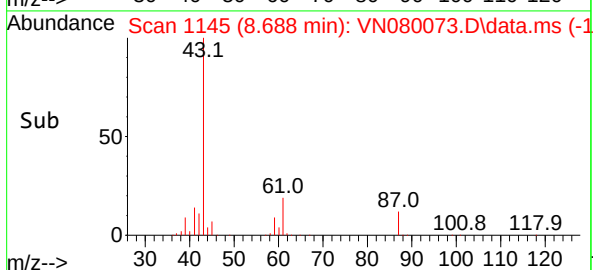
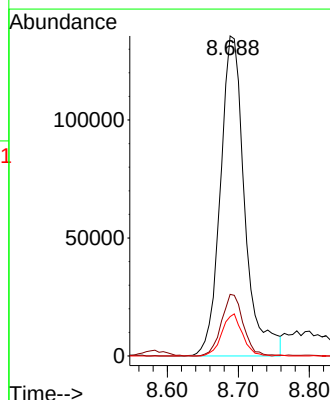
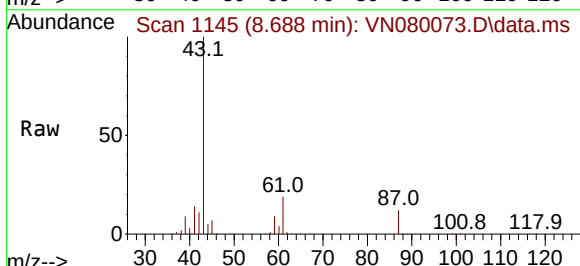
Tgt Ion: 43 Resp: 322854

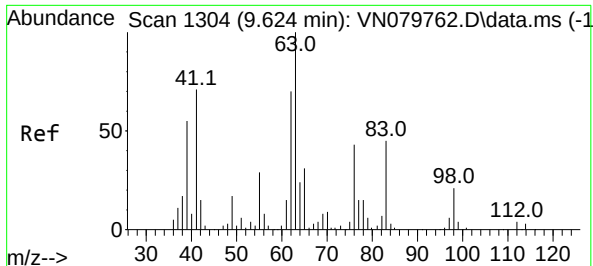
Ion Ratio Lower Upper

43 100

61 17.3 24.7 37.1#

87 11.0 14.6 21.8#





#45

1,2-Dichloropropane

Concen: 0.861 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.124 min

Lab File: VN080073.D

Acq: 13 Nov 2023 17:53

Instrument :

MSVOA_N

ClientSampleId :

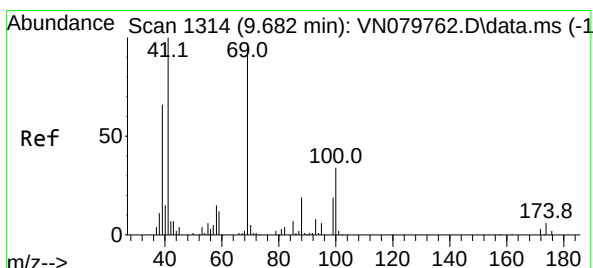
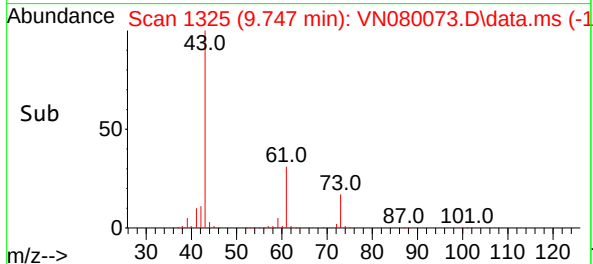
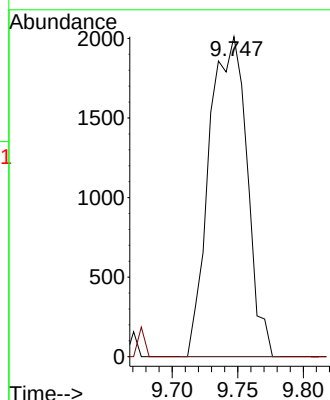
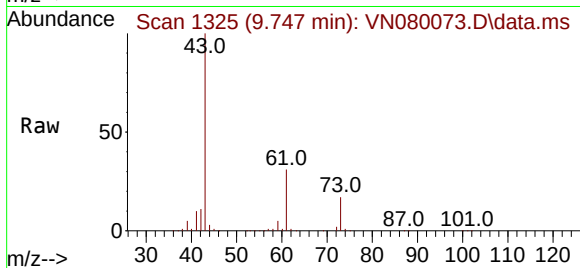
PB157075ZHE#14

Tgt Ion: 63 Resp: 4023

Ion Ratio Lower Upper

63 100

65 0.0 23.9 35.9#



#48

Methyl methacrylate

Concen: 1.899 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.018 min

Lab File: VN080073.D

Acq: 13 Nov 2023 17:53

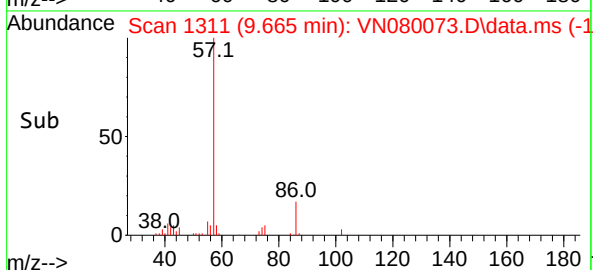
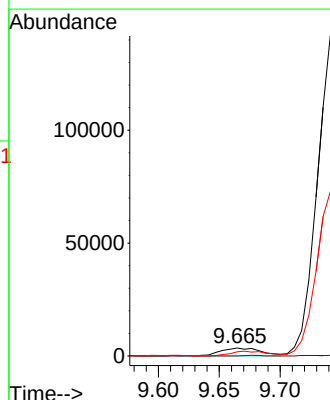
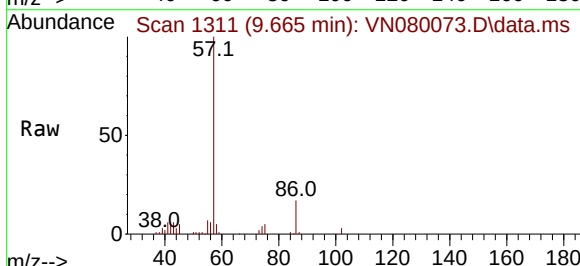
Tgt Ion: 41 Resp: 8166

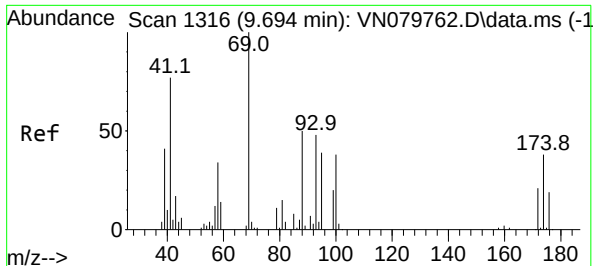
Ion Ratio Lower Upper

41 100

69 2.7 90.4 135.6#

39 53.5 54.6 81.8#





#49

1,4-Dioxane

Concen: 5.988 ug/l

RT: 9.747 min Scan# 1316

Delta R.T. 0.053 min

Lab File: VN080073.D

Acq: 13 Nov 2023 17:53

Instrument :

MSVOA_N

ClientSampleId :

PB157075ZHE#14

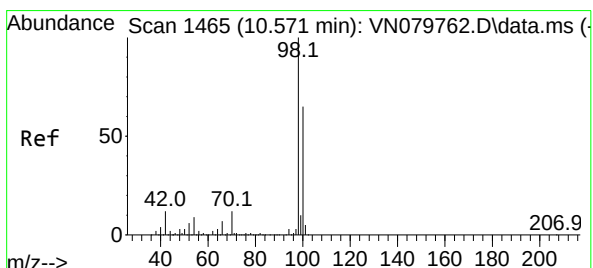
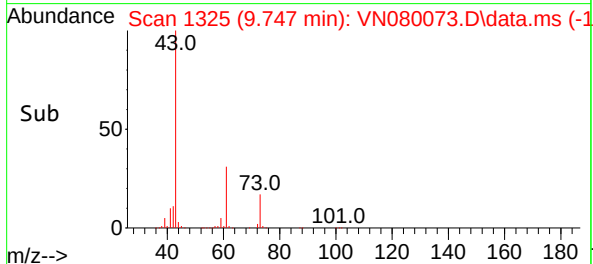
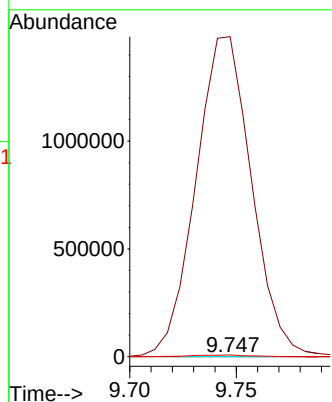
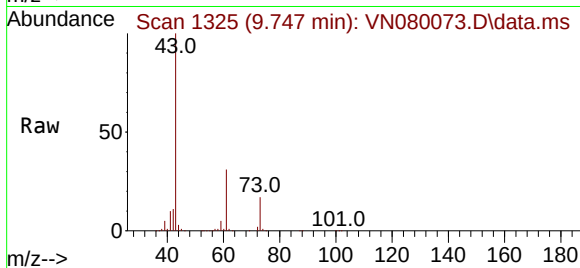
Tgt Ion: 88 Resp: 455

Ion Ratio Lower Upper

88 100

43 597241.8 17.0 25.6#

58 3428.6 47.0 70.4#



#50

Toluene-d8

Concen: 53.856 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. 0.000 min

Lab File: VN080073.D

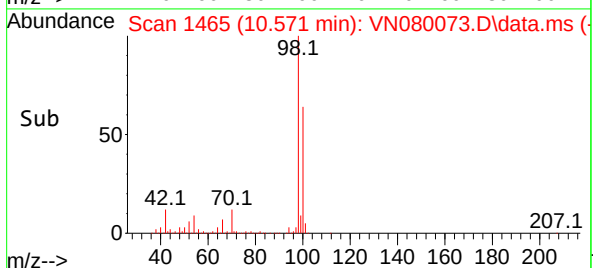
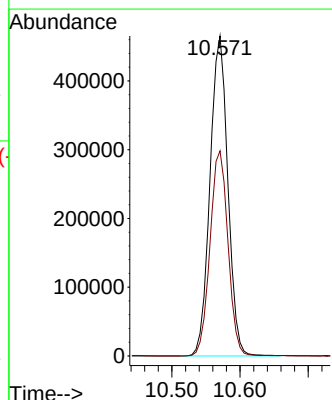
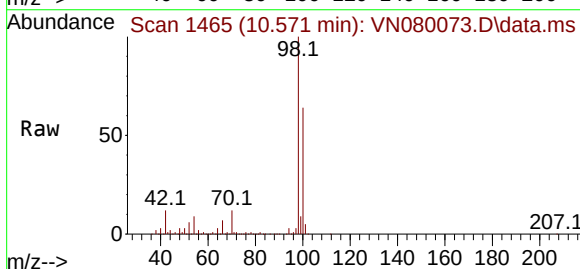
Acq: 13 Nov 2023 17:53

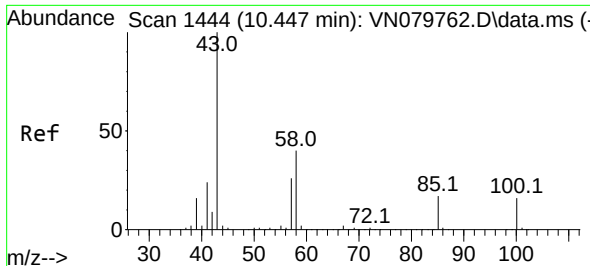
Tgt Ion: 98 Resp: 847609

Ion Ratio Lower Upper

98 100

100 64.5 52.0 78.0

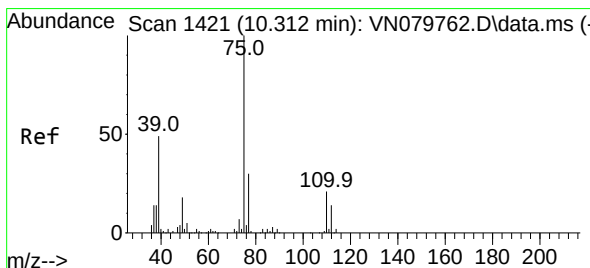
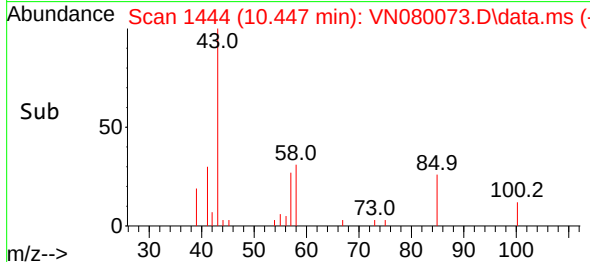
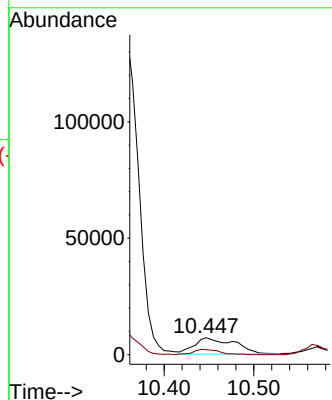
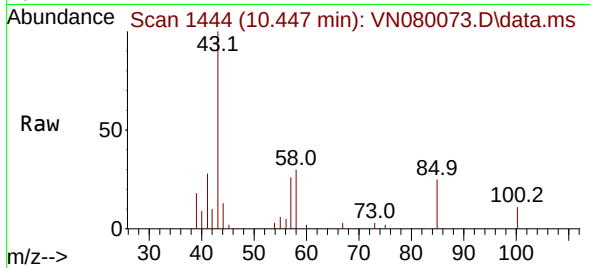




#51
4-Methyl-2-Pentanone
Concen: 3.930 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.000 min
Lab File: VN080073.D
Acq: 13 Nov 2023 17:53

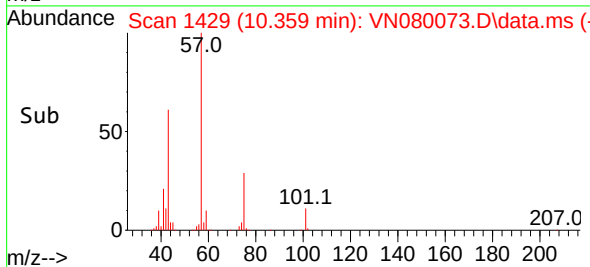
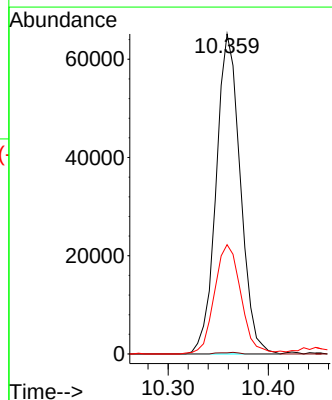
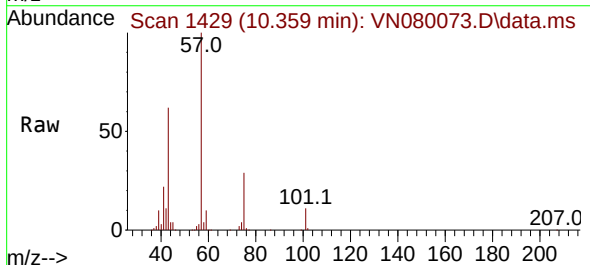
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#14

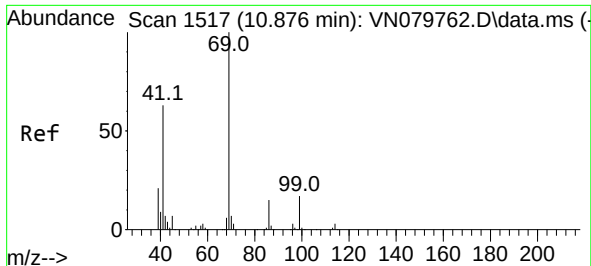
Tgt Ion: 43 Resp: 21720
Ion Ratio Lower Upper
43 100
58 21.4 36.6 54.8#



#54
cis-1,3-Dichloropropene
Concen: 14.974 ug/l
RT: 10.359 min Scan# 1429
Delta R.T. 0.041 min
Lab File: VN080073.D
Acq: 13 Nov 2023 17:53

Tgt Ion: 75 Resp: 108867
Ion Ratio Lower Upper
75 100
77 0.3 26.1 39.1#
39 34.2 31.6 47.4

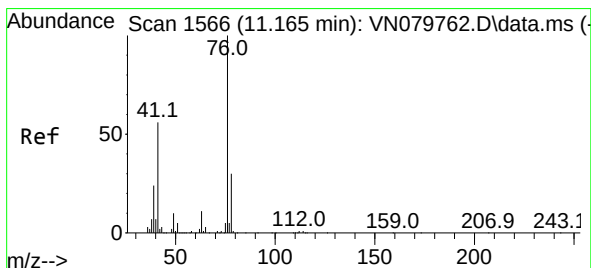
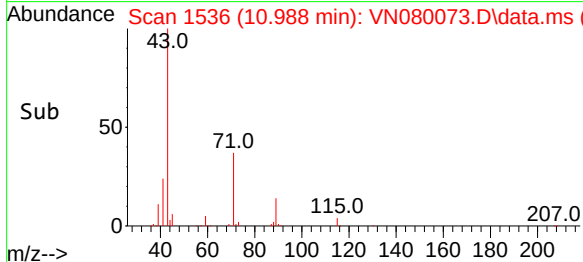
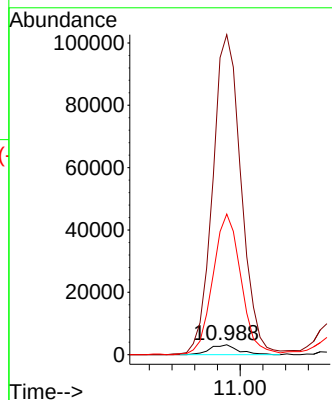
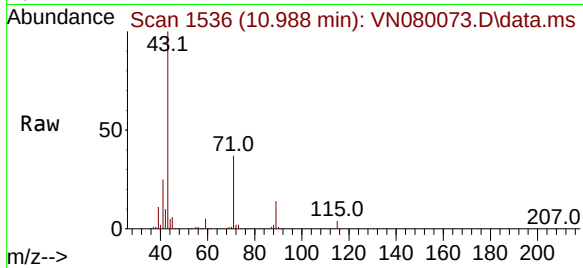




#56
Ethyl methacrylate
Concen: 0.883 ug/l
RT: 10.988 min Scan# 1536
Delta R.T. 0.112 min
Lab File: VN080073.D
Acq: 13 Nov 2023 17:53

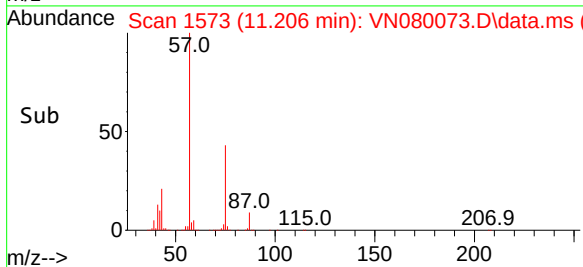
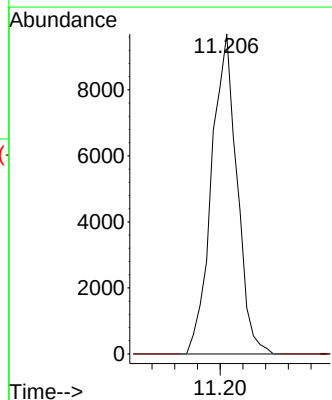
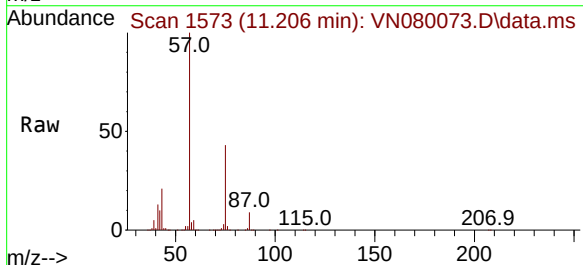
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#14

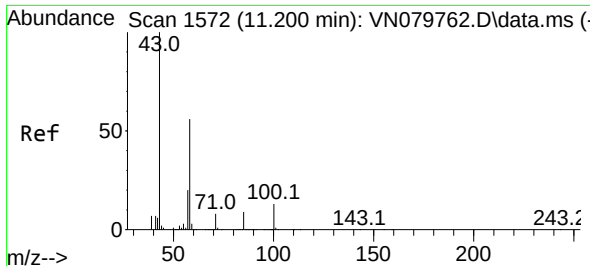
Tgt Ion: 69 Resp: 5489
Ion Ratio Lower Upper
69 100
41 3270.5 39.6 59.4#
39 1419.4 28.6 43.0#



#57
1,3-Dichloropropane
Concen: 1.963 ug/l
RT: 11.206 min Scan# 1573
Delta R.T. 0.041 min
Lab File: VN080073.D
Acq: 13 Nov 2023 17:53

Tgt Ion: 76 Resp: 15086
Ion Ratio Lower Upper
76 100
78 0.0 26.1 39.1#

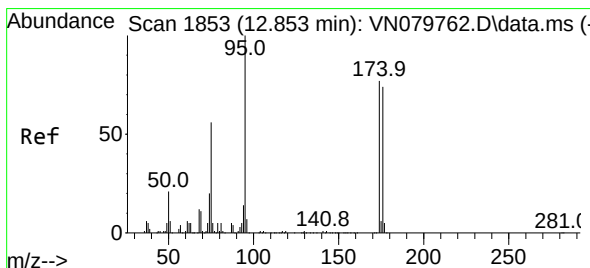
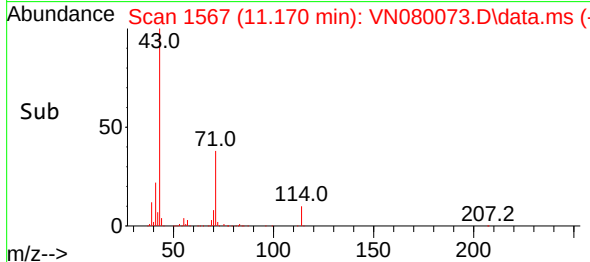
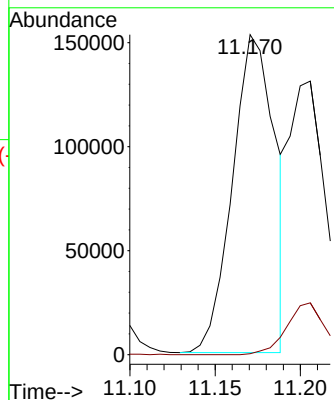
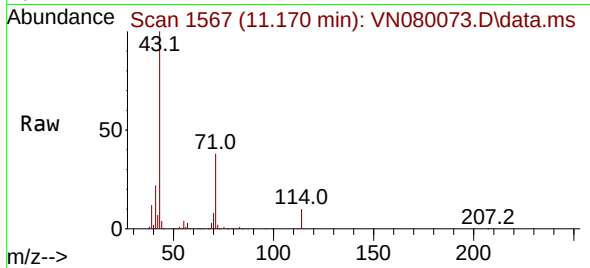




#59
2-Hexanone
Concen: 62.610 ug/l
RT: 11.170 min Scan# 11170
Delta R.T. -0.029 min
Lab File: VN080073.D
Acq: 13 Nov 2023 17:53

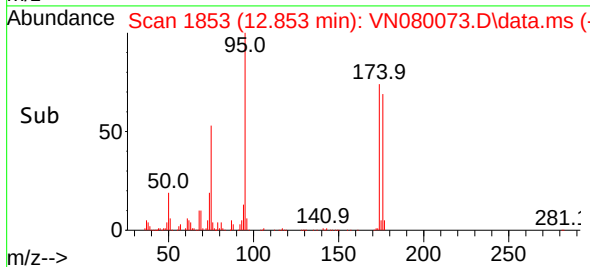
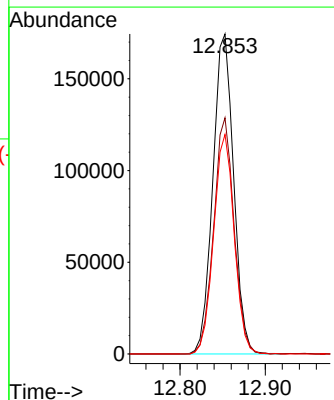
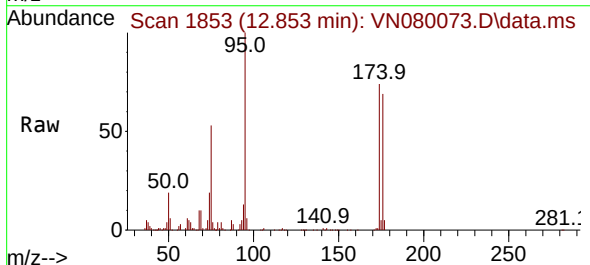
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#14

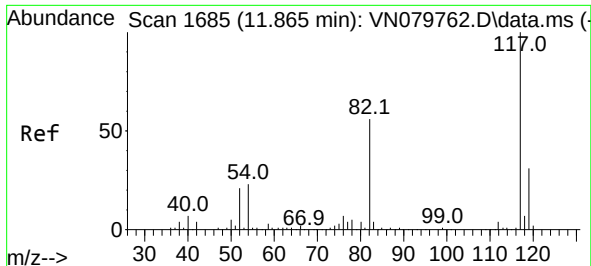
Tgt Ion: 43 Resp: 264738
Ion Ratio Lower Upper
43 100
58 0.0 31.7 95.1#



#62
4-Bromofluorobenzene
Concen: 56.685 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VN080073.D
Acq: 13 Nov 2023 17:53

Tgt Ion: 95 Resp: 295875
Ion Ratio Lower Upper
95 100
174 72.8 0.0 143.8
176 67.8 0.0 135.8

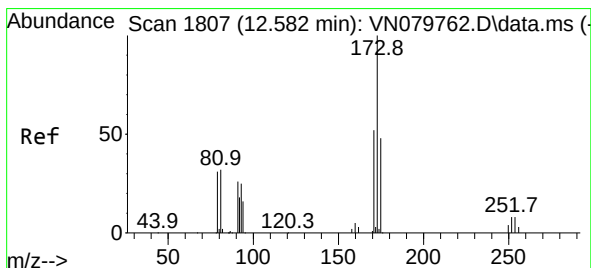
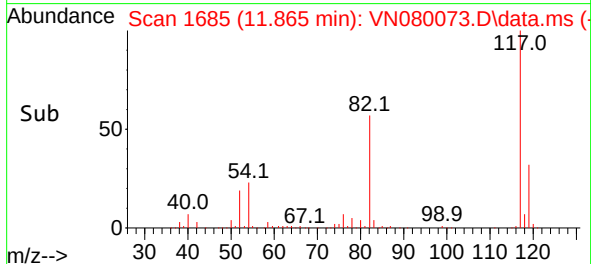
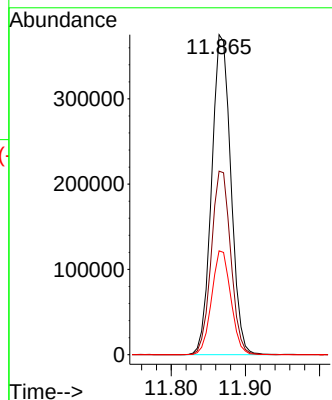
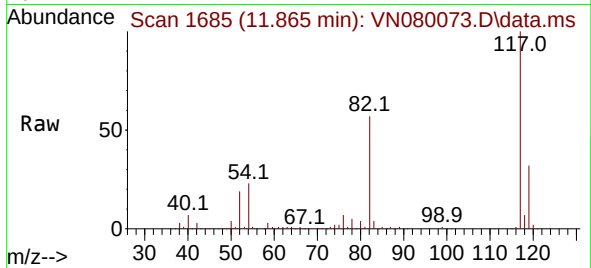




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.006 min
Lab File: VN080073.D
Acq: 13 Nov 2023 17:53

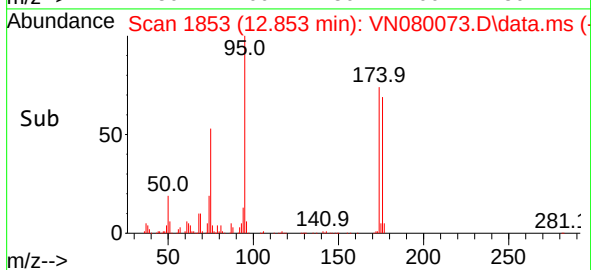
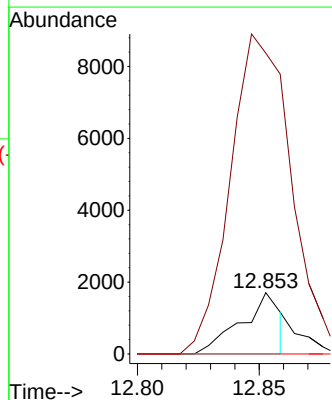
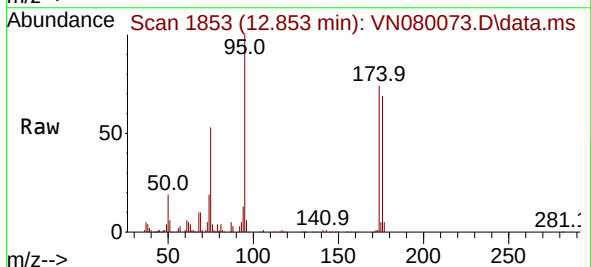
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#14

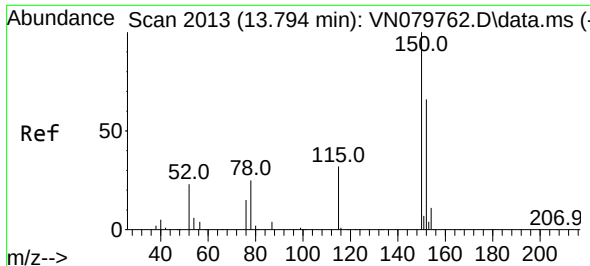
Tgt Ion:117 Resp: 675777
Ion Ratio Lower Upper
117 100
82 57.3 44.0 66.0
119 32.4 25.6 38.4



#71
Bromoform
Concen: 0.512 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.271 min
Lab File: VN080073.D
Acq: 13 Nov 2023 17:53

Tgt Ion:173 Resp: 1920
Ion Ratio Lower Upper
173 100
175 671.6 24.3 73.0#
254 0.0 0.0 0.0

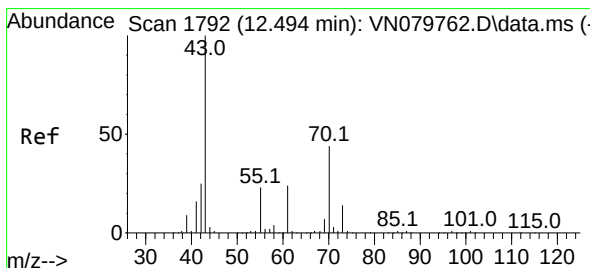
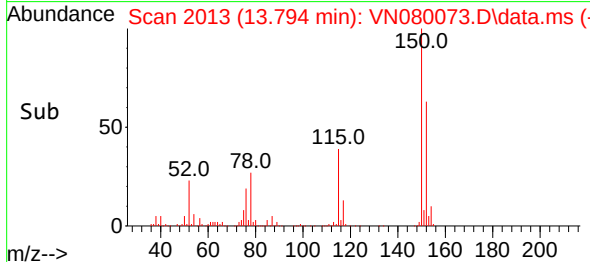
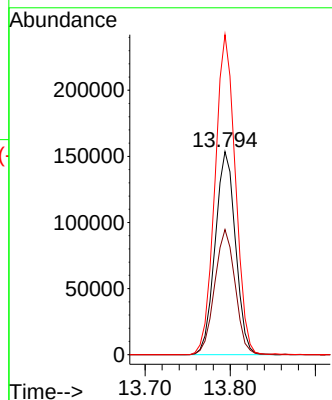
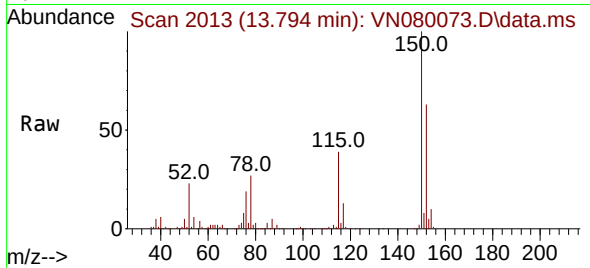




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN080073.D
Acq: 13 Nov 2023 17:53

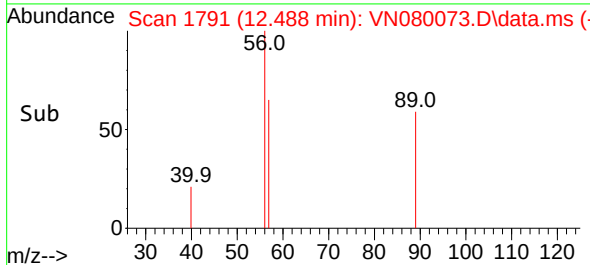
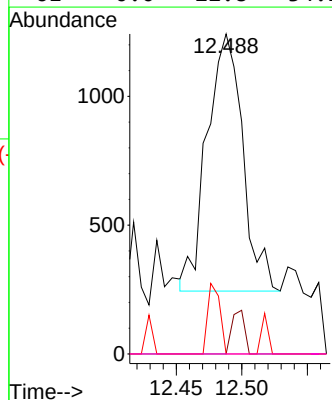
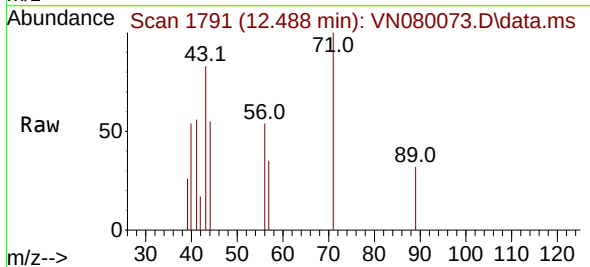
Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#14

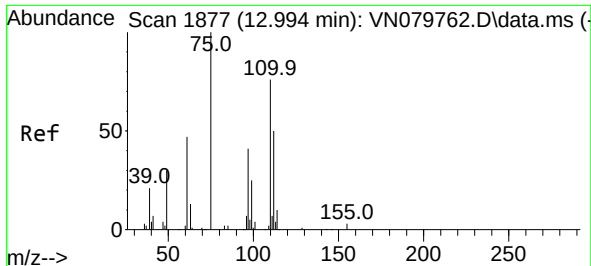
Tgt Ion:152 Resp: 255072
Ion Ratio Lower Upper
152 100
115 62.0 32.3 96.8
150 158.1 0.0 355.8



#74
N-ethyl acetate
Concen: 0.224 ug/l
RT: 12.488 min Scan# 1791
Delta R.T. -0.006 min
Lab File: VN080073.D
Acq: 13 Nov 2023 17:53

Tgt Ion: 43 Resp: 1892
Ion Ratio Lower Upper
43 100
70 6.0 43.4 65.2#
55 0.0 21.4 32.0#
61 0.0 22.8 34.2#

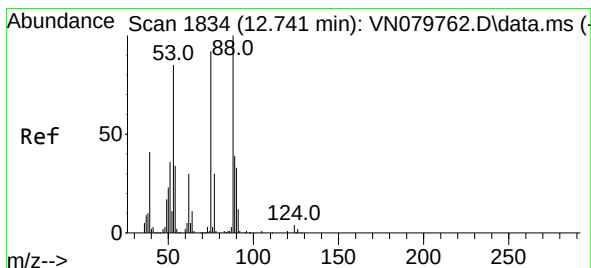
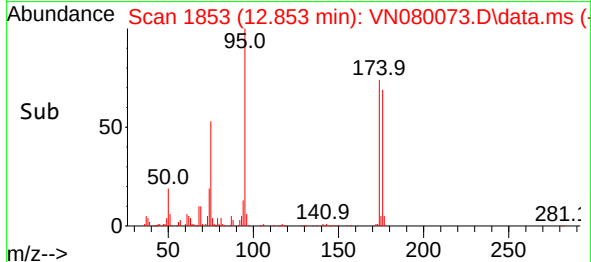
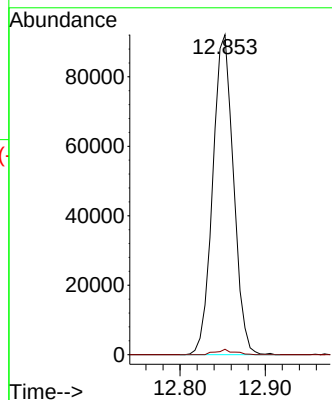
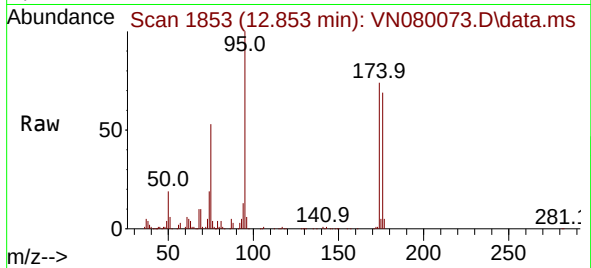




#76
1,2,3-Trichloropropane
Concen: 26.093 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. -0.141 min
Lab File: VN080073.D
Acq: 13 Nov 2023 17:53

Instrument :
MSVOA_N
ClientSampleId :
PB157075ZHE#14

Tgt Ion: 75 Resp: 156254
Ion Ratio Lower Upper
75 100
77 1.5 84.5 253.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.993 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.118 min
Lab File: VN080073.D
Acq: 13 Nov 2023 17:53

Tgt Ion: 75 Resp: 156254
Ion Ratio Lower Upper
75 100
53 0.2 67.4 101.2#
89 0.0 38.8 58.2#

